

1. Record Nr.	UNINA9910139188203321
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Titolo	Fundamentals of wavelets [[electronic resource] ] : theory, algorithms, and applications / / Jaideva C. Goswami, Andrew K. Chan
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2011
ISBN	1-282-90489-2 9786612904899 0-470-93464-6 0-470-92699-6 0-470-92697-X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (384 p.)
Collana	Wiley series in microwave and optical engineering ; ; 219
Altri autori (Persone)	ChanAndrew K
Disciplina	515.2433 621.301/5152433
Soggetti	Wavelets (Mathematics) Image processing - Mathematics Electromagnetic waves - Scattering - Mathematical models Boundary value problems Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. What is this book all about? -- 2. Mathematical preliminary -- 3. Fourier analysis -- 4. Time-frequency analysis -- 5. Multiresolution analysis -- 6. Construction of wavelets -- 7. DWT and filter bank algorithms -- 8. Special topics in wavelets and algorithms -- 9. Digital signal processing applications -- 10. Wavelets in boundary value problems.
Sommario/riassunto	"Most existing books on wavelets are either too mathematical or they focus on too narrow a specialty. This book provides a thorough treatment of the subject from an engineering point of view. It is a one-stop source of theory, algorithms, applications, and computer codes related to wavelets. This second edition has been updated by the addition of: a section on "Other Wavelets" that describes curvelets, ridgelets, lifting wavelets, etc. a section on lifting algorithms Sections

on Edge Detection and Geophysical Applications Section on  
Multiresolution Time Domain Method (MRTD) and on Inverse problems."

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